

March 23, 1998

To: Addressees listed below  
From: Dan Cozza, Crandon Mine Project Manager  
U.S. Environmental Protection Agency  
RE: Quality Assurance Project Plan for the Hydrological Simulation Program-Fortran (HSPF)  
Model for the Proposed Crandon Mine Project.

Enclosed please find a copy of the conditionally approved Quality Assurance Project Plan for the U.S. EPA's hydrology and hydraulic model, Hydrological Simulation Program-Fortran (HSPF), for the Crandon Mine Project. The U.S. EPA, in conjunction with the U.S. Geological Survey (USGS) and their contractor, Aqua Terra Consultants (ATC) prepared this QAPP along with the attached Simulation Plan. Assistance on the QAPP also was provided by the U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers-Waterways Experiment Station (USACE-WES), Great Lakes Indian Fish and Wildlife Commission (GLIFWC), the Sokaogon Chippewa Community (Mole Lake Tribe) and others. The purpose of the QAPP and Simulation Plan is to outline the project's objectives and procedures throughout the modeling and subsequent model result interpretation stages. The QAPP will need amendments as the project proceeds through the baseline, mine construction, mine operation and mine post-closure modeling scenarios and these will be documented accordingly.

As you will note, there are still several variables within the QAPP dealing with specific project impact Project Data-Quality Objectives (PDQO's), that are not yet defined, and these will need to be discussed and defined in short order. These presently undefined variables are the reason for the conditional approval of the QAPP. (See highlighted and underlined text within the PDQO - Section 3, Ground-water and surface-water interaction portion of Chapter 1.) Please let me know if you wish to participate in the discussions to define these variables.

If you have any questions regarding the above, please give me a call at (312) 886-7252.

Addressees:

Jana Stewart, USGS  
Steve Eggers, ACOE  
John Coleman, GLIFWC  
Tony Donigian, ATC  
Steve Melching/Jim Dunker, USGS  
John Griffin/Bob Pillsbury, Mole Lake  
Phil Seem/Ken Fish, Menominee  
Greg Bunker, Stockbridge-Munsee  
Jean O'Neil, ACOE-WES  
Mary Manydeeds, BIA

Char Hauger, ACOE  
Bill Tans, WDNR  
Ann McCammon Soltis, GLIFWC  
Alan Lumb, USGS  
Joel Trick, USFWS  
Doug Cox, Menominee  
Christine Hansen, Forest County Potawatomi  
John Barko, ACOE-WES  
Don Moe, NMC  
Gordon Reid, NMC